



# Manufacturing Technology Career Technical Training Area

## Advanced Manufacturing Career Pathway Manufacturing Technology

**The Job Corps Manufacturing Technology career training program takes 8 to 12 months to complete and requires training in the following subject areas:**

- **Process control:** Process control monitor operations to ensure quality compliance, requiring individuals to know the types of features checked by visual inspection and the difference between surface defects and material coatings.
- **Metal-forming processes:** Individuals need to understand basic metal-forming processes, such as computer numerical control to enhance production, and accuracy, laser cutting, and press brake.
- **Metal-forming theory:** Individuals must understand the bending process, correct measurement techniques, and troubleshooting skills.
- **Housekeeping and safety:** Proper housekeeping involves understanding how to handle materials and liquids encountered in everyday work operations, and all the basic skills required for personal safety, safety procedures, and regulatory compliance.
- **Preventive maintenance:** Individuals must be able to demonstrate knowledge of good preventive

maintenance techniques, including diagnostic strategies, understanding of lubricants, and reporting non-characteristic machine sounds.

### Certification:

Students who complete a Job Corps training program are eligible to receive a nationally recognized certificate of completion.

### Steps to certification:

Before completing a Manufacturing Technology training program, students should:

- Have the basic math and reading skills necessary to perform the job.
- Complete the core curriculum and pass all written and performance tests.

### Average length of training:

8 to 12 months

### The salary range for various careers in Manufacturing Technology is:

\$43,000 to \$58,000/year

## Green Training



Job Corps students who enter the Manufacturing Technology career technical trade will also train in a variety of green subject areas to prepare for successful careers in the new green economy. Students will develop knowledge and skills in the following green technology and industry practices.

- OSHA and EPA safety requirements
- Shop maintenance procedures to reduce waste and promote environmental stewardship
- Proper cleanup procedures using green materials and products
- Reduce, Reuse, and Recycle
- Lean to Green Manufacturing

## THE BENEFITS OF JOB CORPS

**Industry-recognized certification • Hands-on training and internships • Housing, meals, and basic medical care • Earn while you learn: Biweekly living allowance • Administered by the U.S. Dept. of Labor**

### What is Job Corps?

- A residential career training program
- Your path to a career in a high-growth industry
- A place to earn your high school diploma or GED
- Career counseling and support after graduation



*Career Technical Training programs vary at different Job Corps centers.*

Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for students ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.